Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/28/2018 09:25 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126238	0	2.46	126304	2.47
Blue	F	SSC	125000	123587	-2	3.92	124415	3.95
Blue	E	FITC	15492	15060	-3	3.97	350	22.27
Blue	D	PE	28736	27876	-3	3.22	615	16.31
Blue	B	PerCP-Cy5-5	41413	41367	-1	4.83	1135	23.56
Blue	A	PE-Cy7	31321	31924	1	7.23	580	48.40
Red	C	APC	41673	40627	-3	3.03	1572	13.57
Red	A	APC-Cy7	29962	29572	-2	3.01	739	14.19
Violet	B	V450	8318	7887	-6	4.70	438	14.67
Violet	A	V500	34199	33205	-3	4.42	798	11.45

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20527	4.87	610	-3	N/A	N/A	Pass
Blue	F	SSC	56026	3.42	576	8	N/A	N/A	Pass
Blue	E	FITC	58	76.03	559	-2	0.0156	206	Pass
Blue	D	PE	121	60.40	558	-2	0.1503	391	Pass
Blue	B	PerCP-Cy5-5	210	56.13	669	2	0.0069	26	Pass
Blue	A	PE-Cy7	111	124.22	725	3	0.0089	31	Pass
Red	C	APC	362	28.45	600	-1	0.0183	87	Pass
Red	A	APC-Cy7	183	31.63	576	0	0.0045	932	Pass
Violet	B	V450	66	69.02	474	-3	0.0428	2244	Pass
Violet	A	V500	113	38.94	492	-2	0.0189	936	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.40	-31.93	1.14
Blue	20.34	16.27 - 24.41	1.29	0.99 - 1.49	0.00	0.00	1.50
Red	17.33	13.60 - 20.40	N/A	N/A	29.15	29.58	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11493

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments